

1 45464/GSL/E87

SCAN TEST APPARATUS FOR TESTING OF  
PRINTED CIRCUIT BOARDS

5

ABSTRACT OF THE DISCLOSURE

10 A scan test apparatus having at least an upper layer of  
conductive and compliant material and may include a lower layer  
of conductive and compliant material sized to cover the upper and  
lower surfaces of the printed circuit board to be tested.  
Electrical current is introduced into the conductive layers which  
shorts out the circuits on the printed circuit board. An  
electrical contactor is positioned on either side of the  
conductive layers on both sides of the printed circuit board.  
15 The printed circuit board is passed through the upper and lower  
conductive layers and the contactors by rollers positioned on  
each end of the scan test machine. The contactor sends a test  
signal from the circuit board to measurement electronics. Other  
embodiments include the shorting matrix to be movable and the  
20 printed circuit board being fixed and include non-contact sensors  
or arrays of electrical contactors.

GSL/mas

LDB PAS372228.1--\*--11/15/01 1:23 PM

25

30

35